

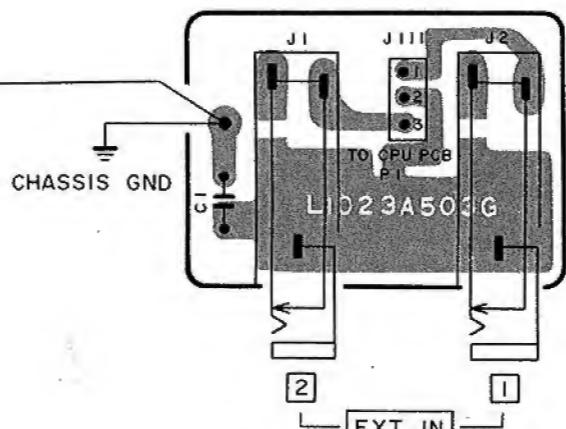
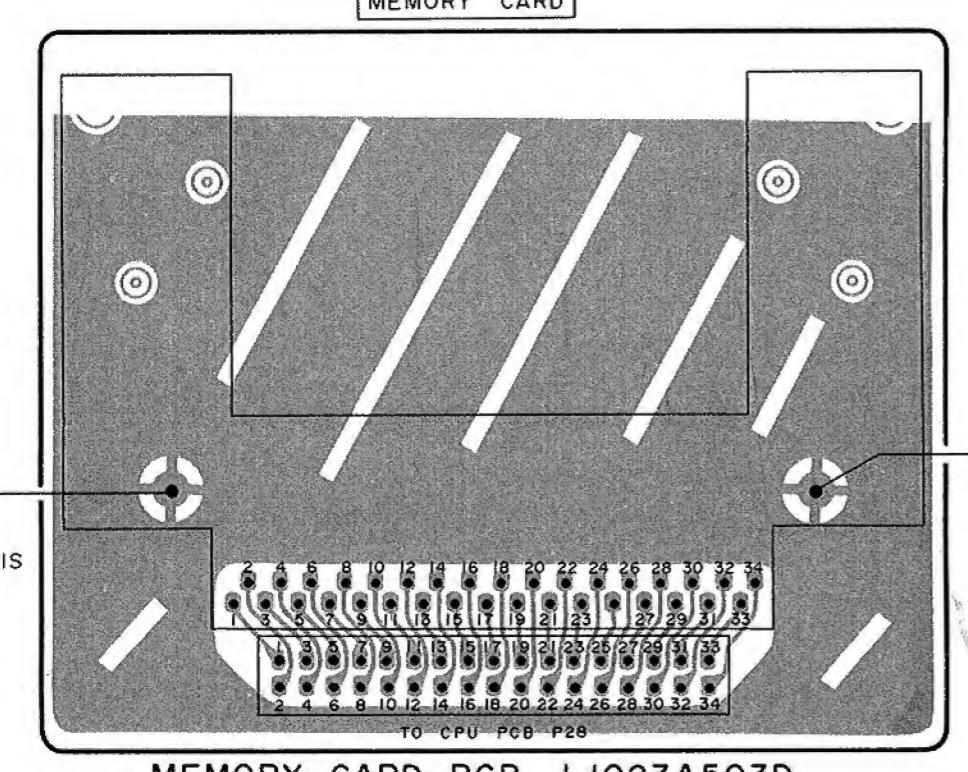
AKAI

MODEL VX600

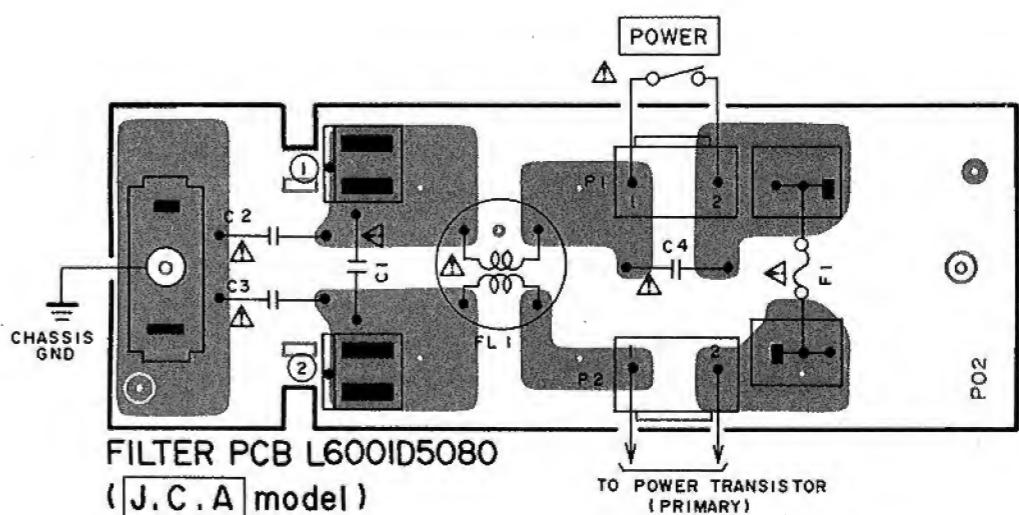
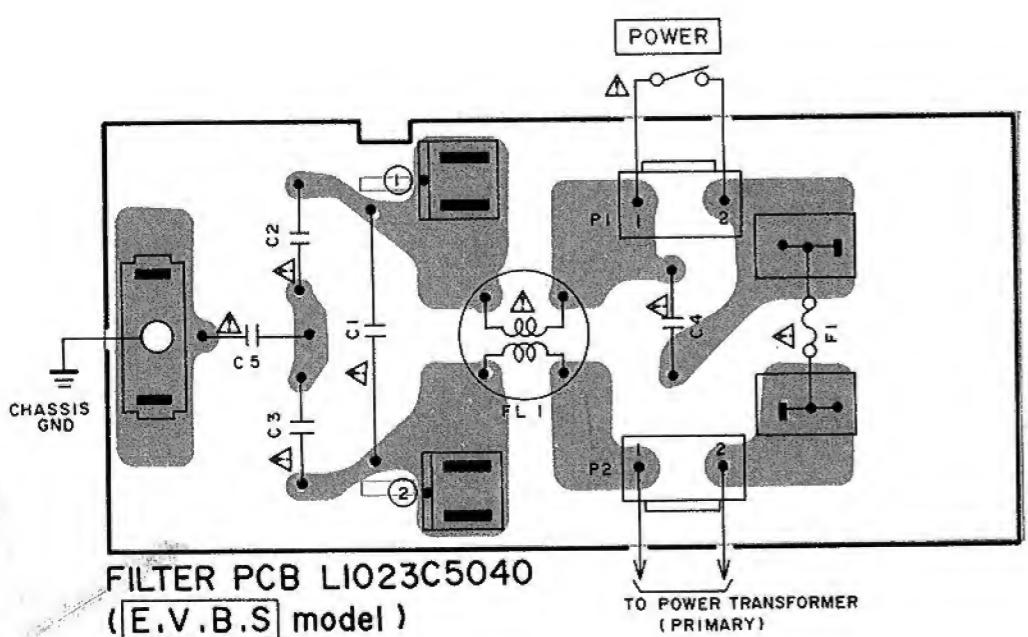
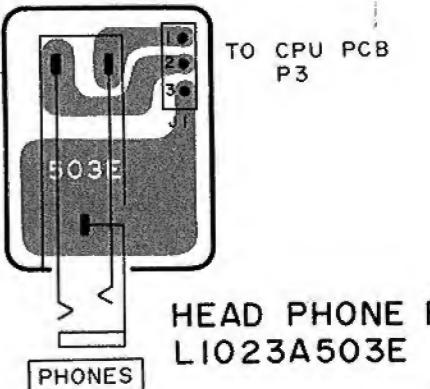
SCHEMATIC DIAGRAMS AND PC BOARDS

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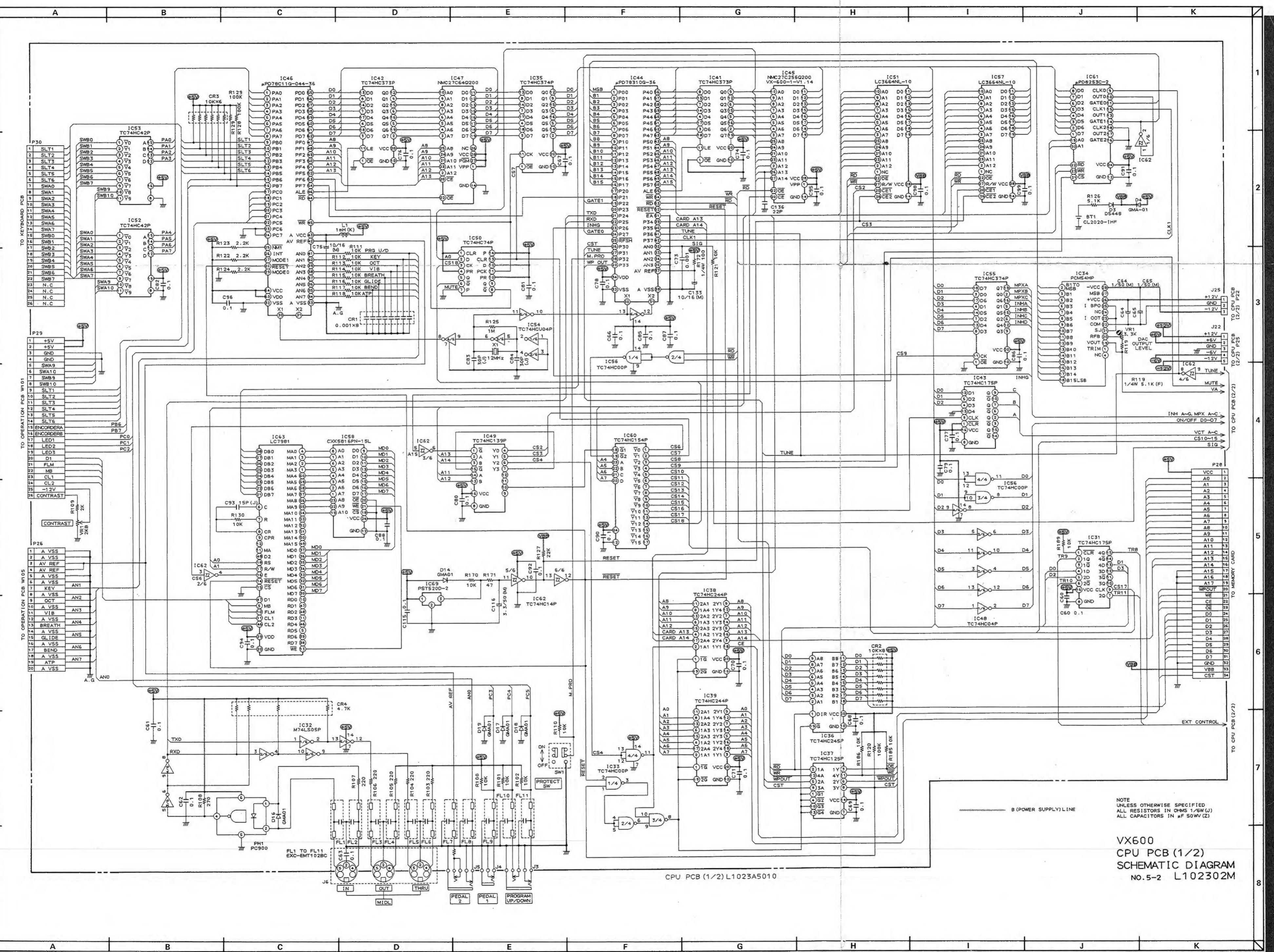


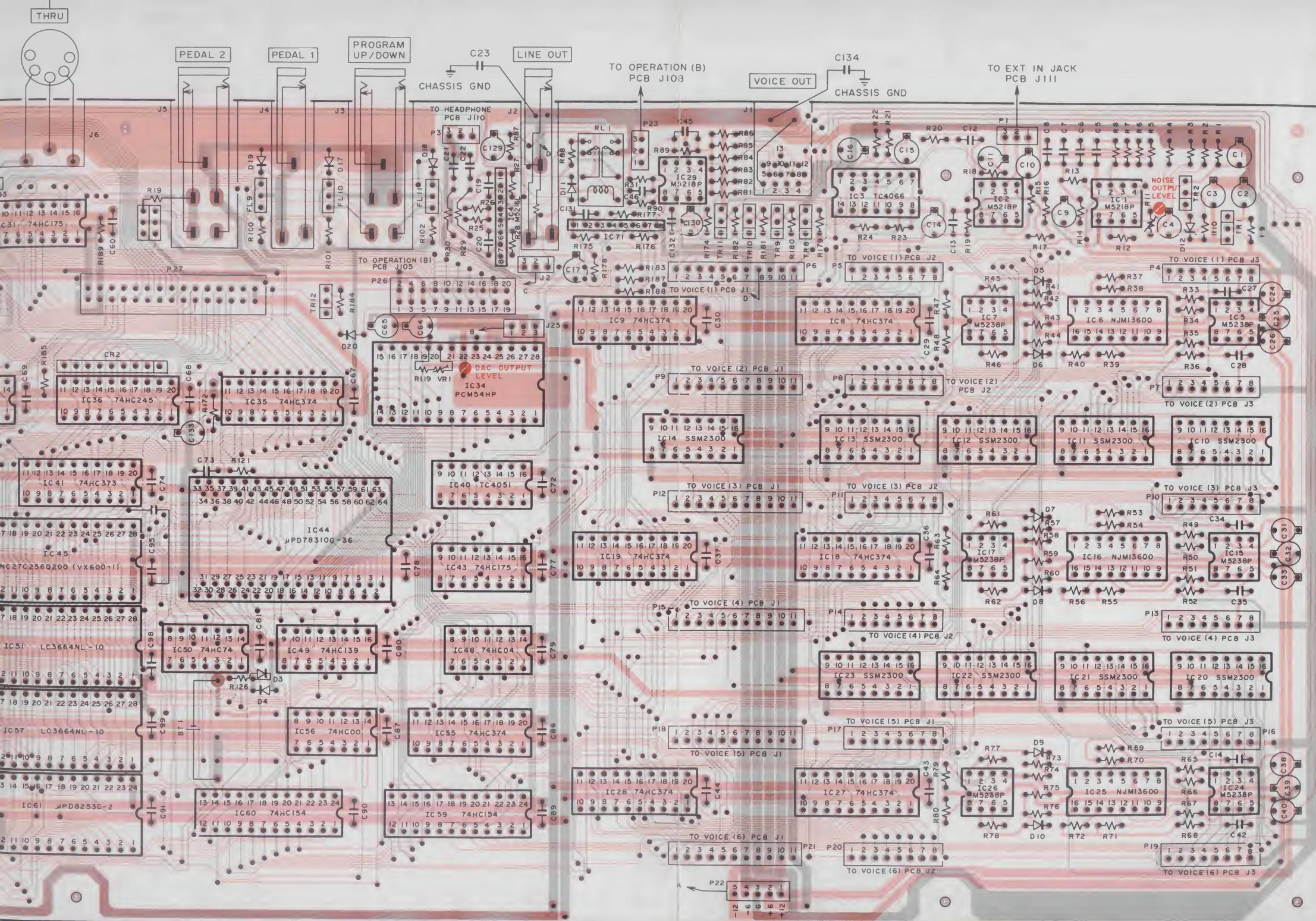
EXT IN JACK PCB
L1023A503G

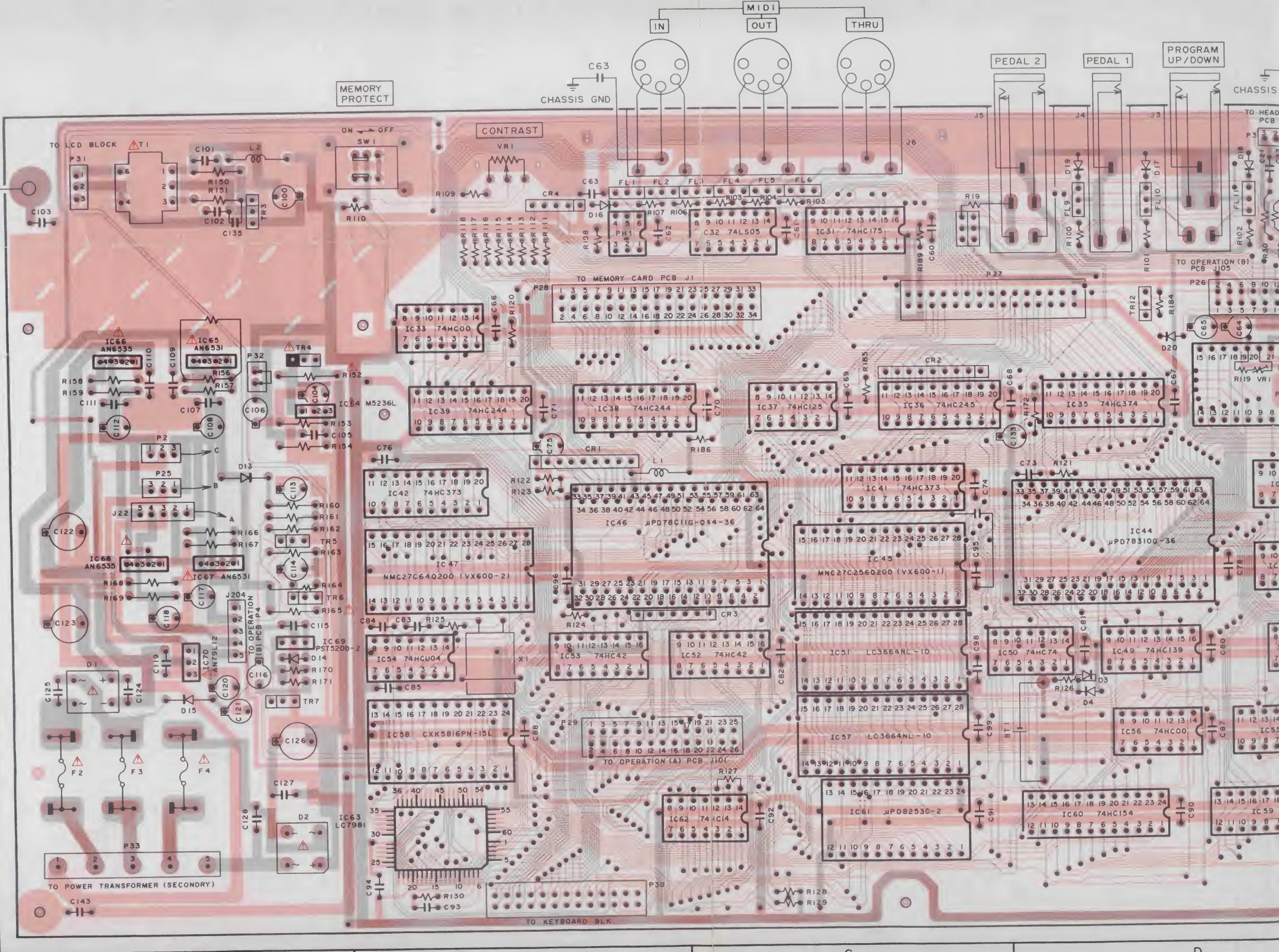


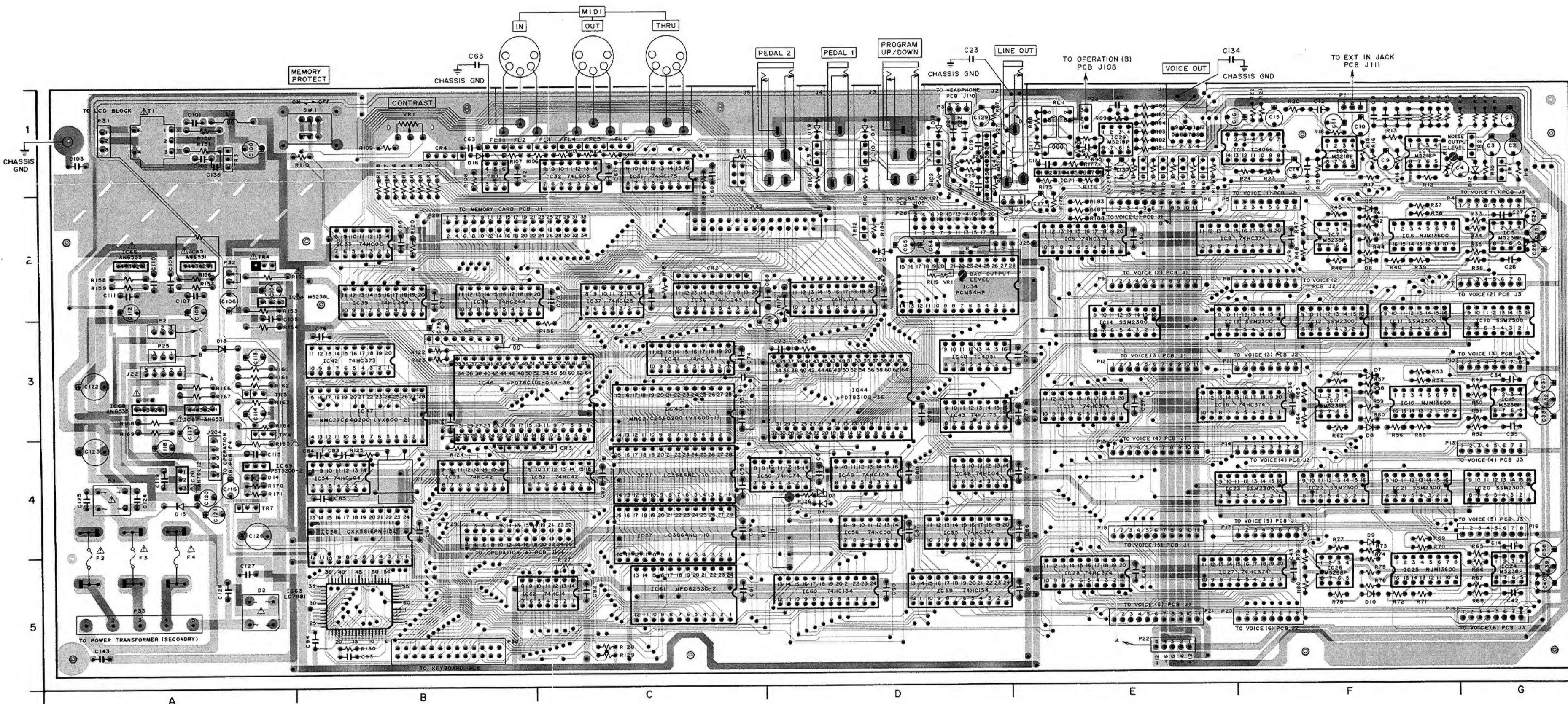
WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY.
REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S
RECOMMENDED ARTS

Avertissement: Δ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ.
POUR MAINTENIR LE DÉGRÉ DE SÉCURITÉ DE L'APPAREIL,
NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT









LOCATION OF COMPONENT

IC					
IC 1	.....	F1	IC 17	.....	F3
IC 2	.....	F1	IC 18	.....	E,F3
IC 3	.....	E,F1	IC 19	.....	E3
IC 4	.....	D,E2	IC 20	.....	G4
IC 5	.....	G2	IC 21	.....	F4
IC 6	.....	F2	IC 22	.....	F4
IC 7	.....	F2	IC 23	.....	E,F4
IC 8	.....	E,F2	IC 24	.....	G5
IC 9	.....	E2	IC 25	.....	F5
IC10	.....	G3	IC 26	.....	F5
IC11	.....	F3	IC 27	.....	E,F5
IC12	.....	F3	IC 28	.....	E5
IC13	.....	E,F3	IC 29	.....	E1
IC14	.....	E3	IC 31	.....	C1
IC15	.....	G3	IC 32	.....	C1
IC16	.....	F3	IC 33	.....	B2
			IC34	.....	D2
			IC35	.....	D2
			IC36	.....	C2
			IC37	.....	C2
			IC38	.....	B2
			IC39	.....	B2
			IC40	.....	D3
			IC41	.....	C3
			IC42	.....	B3
			IC43	.....	D3
			IC44	.....	D3
			IC45	.....	C3
			IC46	.....	B,C3
			IC47	.....	B3
			IC48	.....	D4
			IC49	.....	D4
			IC50	.....	C,D4
			IC51	.....	C4
			IC52	.....	B,C4
			IC53	.....	B4
			IC54	.....	B4
			IC55	.....	D4
			IC56	.....	D4
			IC57	.....	C4
			IC58	.....	B4
			IC59	.....	D5
			IC60	.....	D5
			IC61	.....	C5
			IC62	.....	B,C5
			IC63	.....	B5
			IC64	.....	A2
			IC65	.....	A2

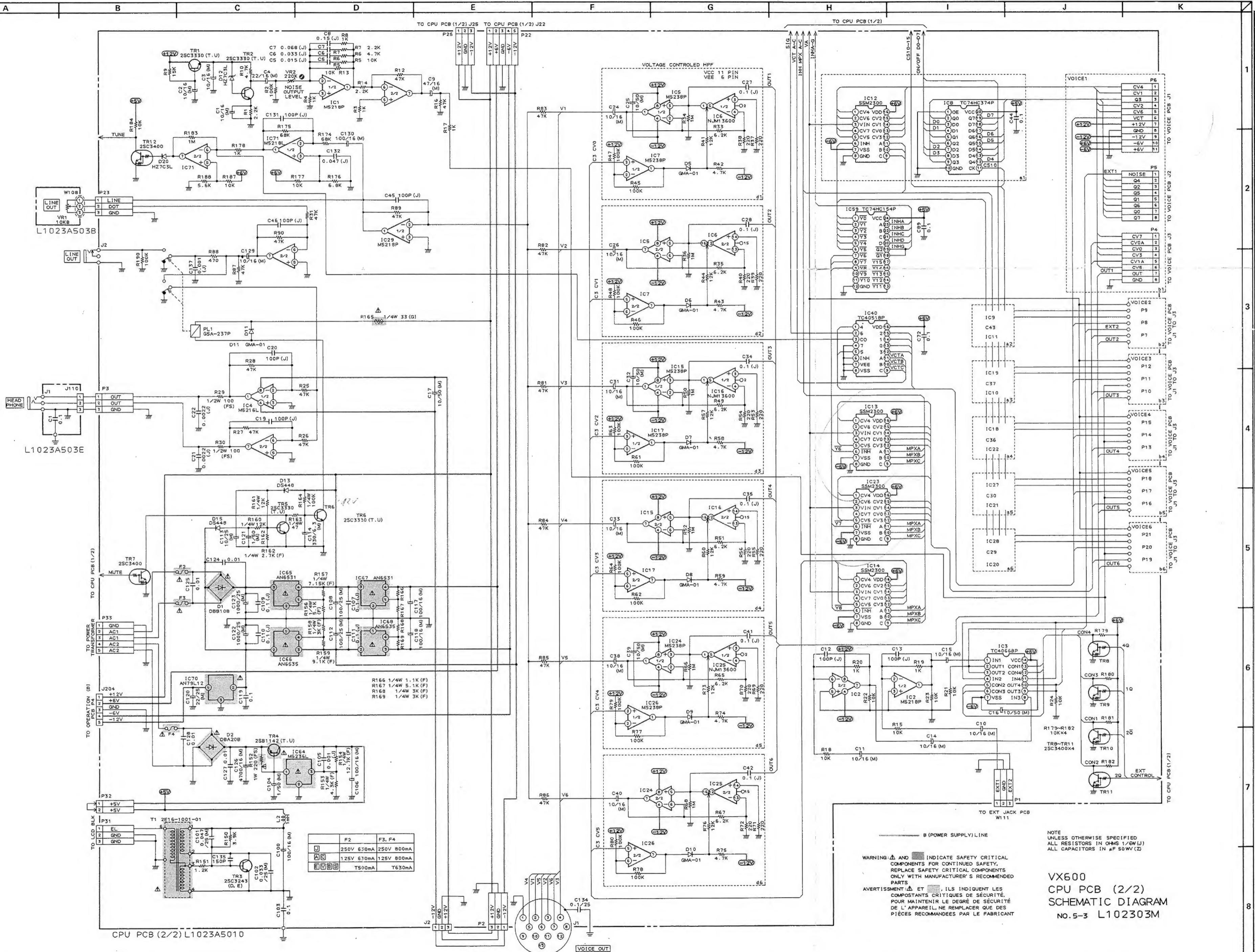
TRANSISTOR

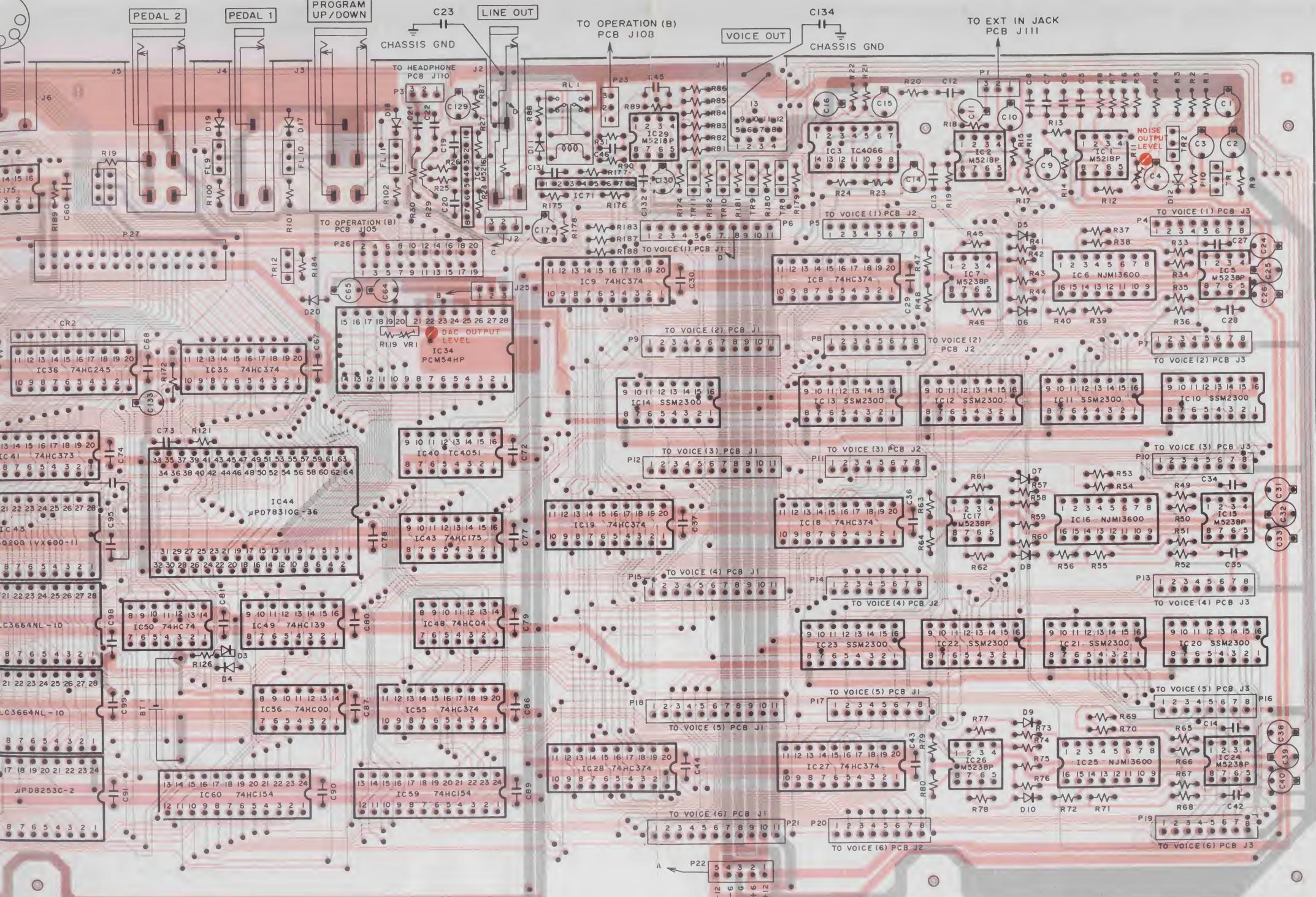
TRANSISTOR	CONNECTOR		
TR 1	G1	P 1	F1
TR 2	G1	P 2	A3
TR 3	A1	P 3	D1
TR 4	A2	P 4	F, G2
TR 5	A3	P 5	E, F2
TR 6	A3	P 6	E2
TR 7	A4	P 7	F, G2
TR 8	E1	P 8	E, F2
TR 9	E1	P 9	E2
TRIO	E1	P10	G3
TRII	E1	P11	E, F3
TRI2	D2	P12	E3
		P13	F, G4
		P14	E, F4
		P15	E4
		P16	F, G4
		P17	E, F4
		P18	E4
		P19	F, G5
		P20	E, F5
		P21	E5
		P22	E5
		P23	E1
		P25	A3
		P26	D2
		P27	C, D2
		P28	B, C2
		P29	B, C4
		P30	B5
		P31	A1
		P32	A2
		P33	A5

B PNP TRANSISTOR
B NPN TRANSISTOR

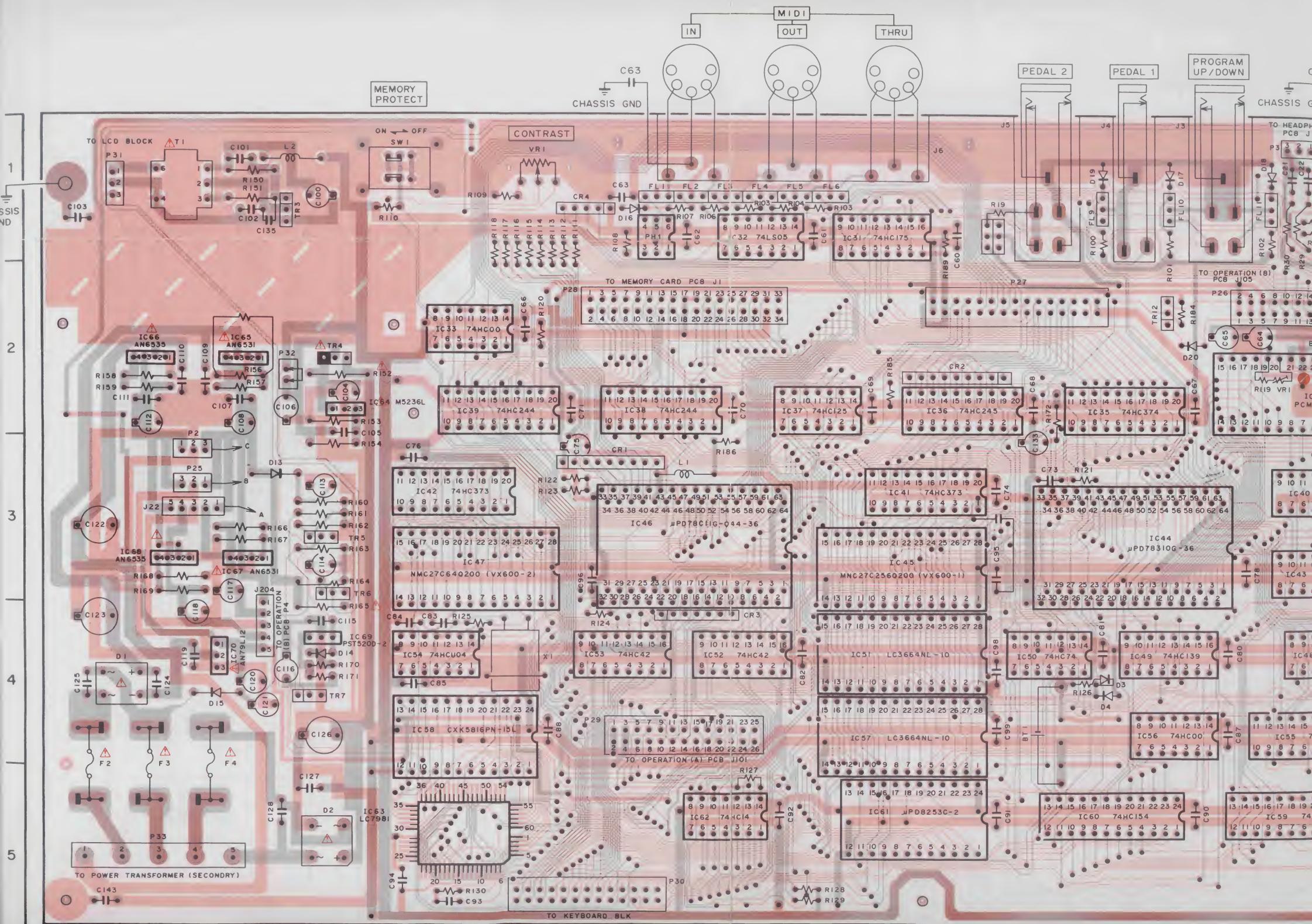
WARNING:  INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

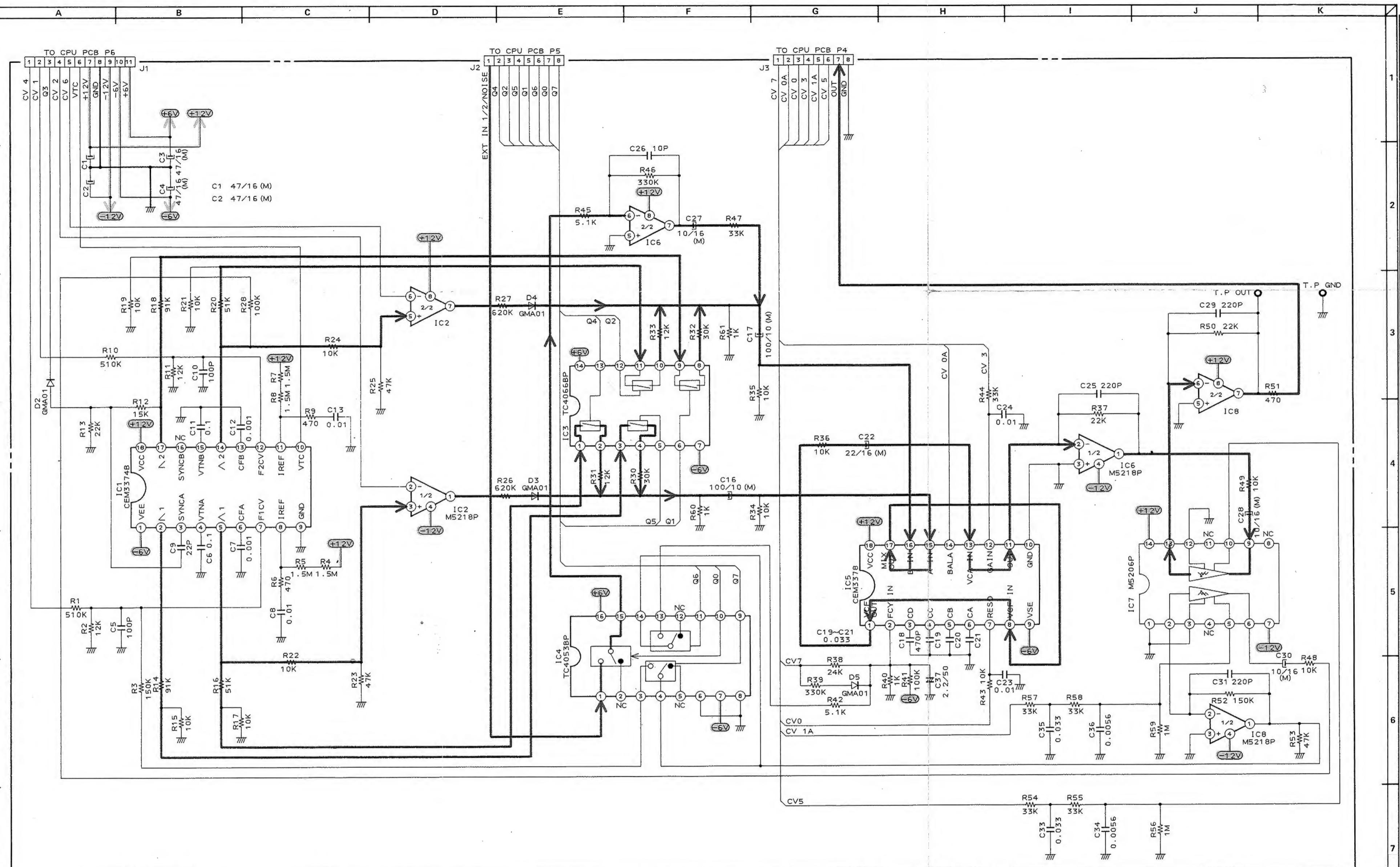
AVERTISSEMENT: IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DÉGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT





CPU PCB L1023A501



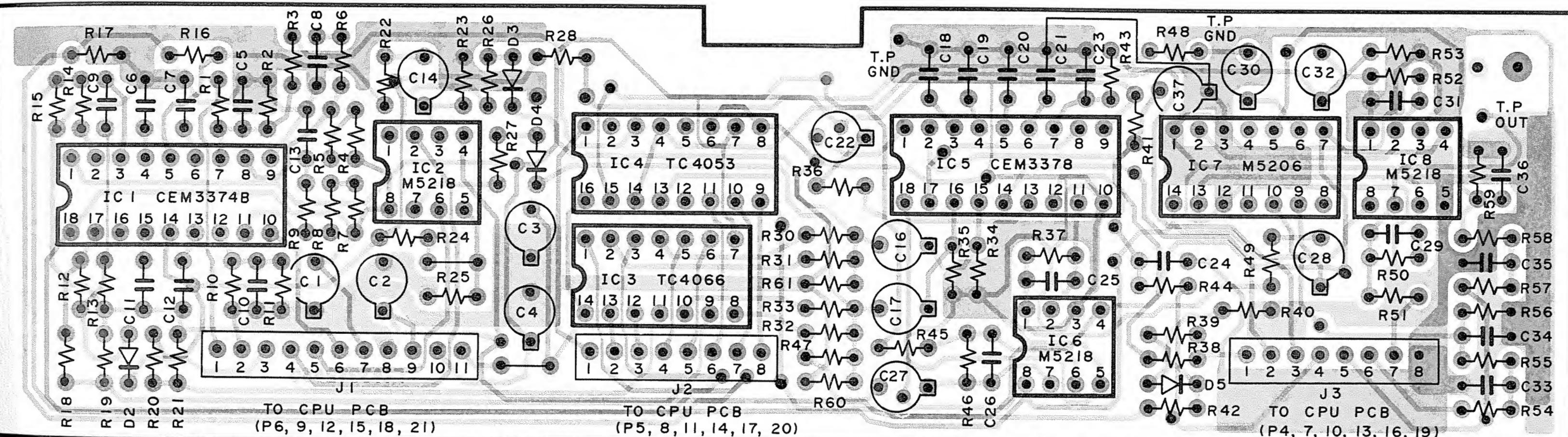


VOICE PCB L1023A5020

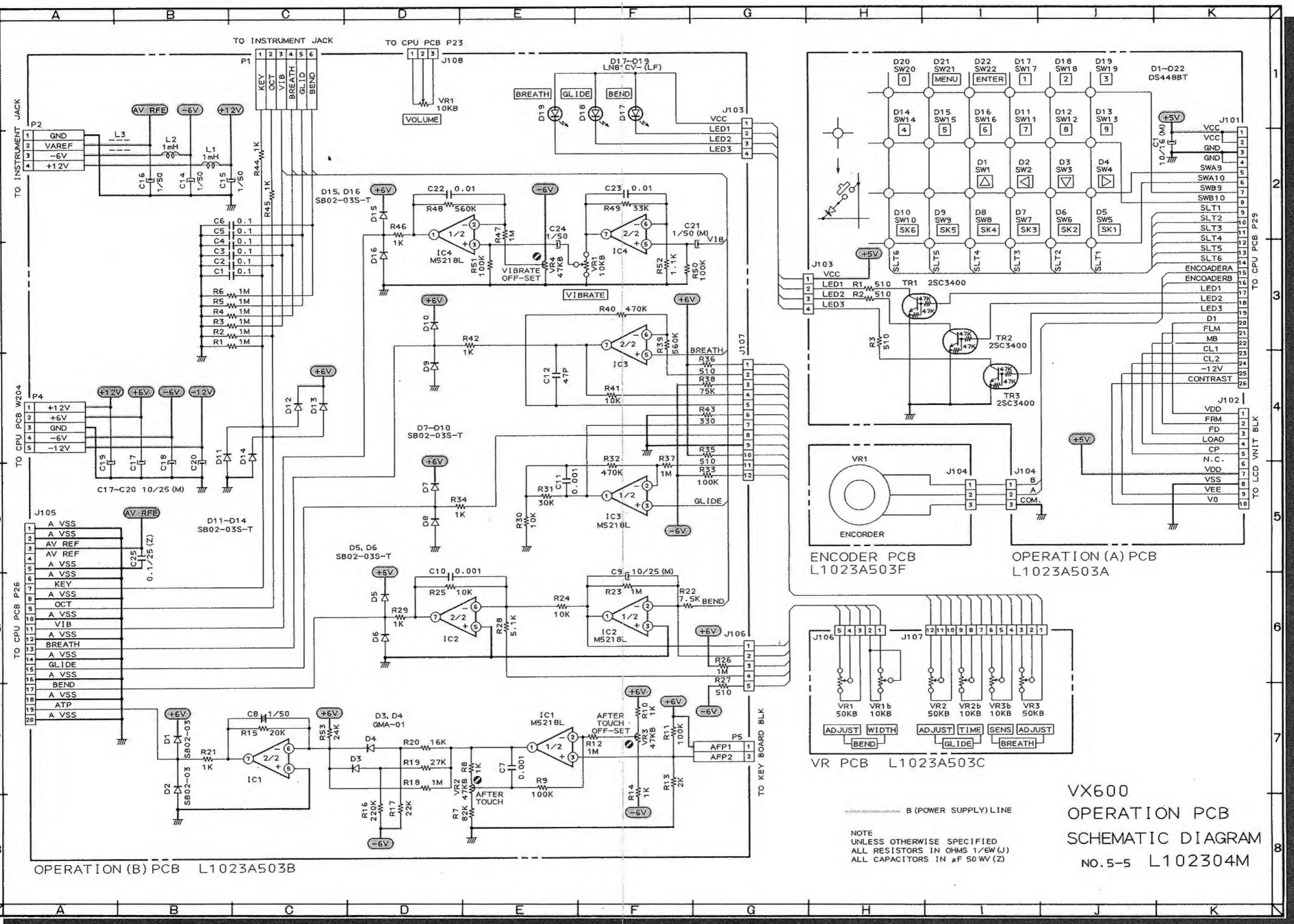
B (POWER SUPPLY LINE)
SIGNAL LINE

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/6W (J)
ALL CAPACITORS IN μ F 50 WV (Z)

VX600
VOICE PCB
SCHEMATIC DIAGRAM
NO.5-4 L102305M

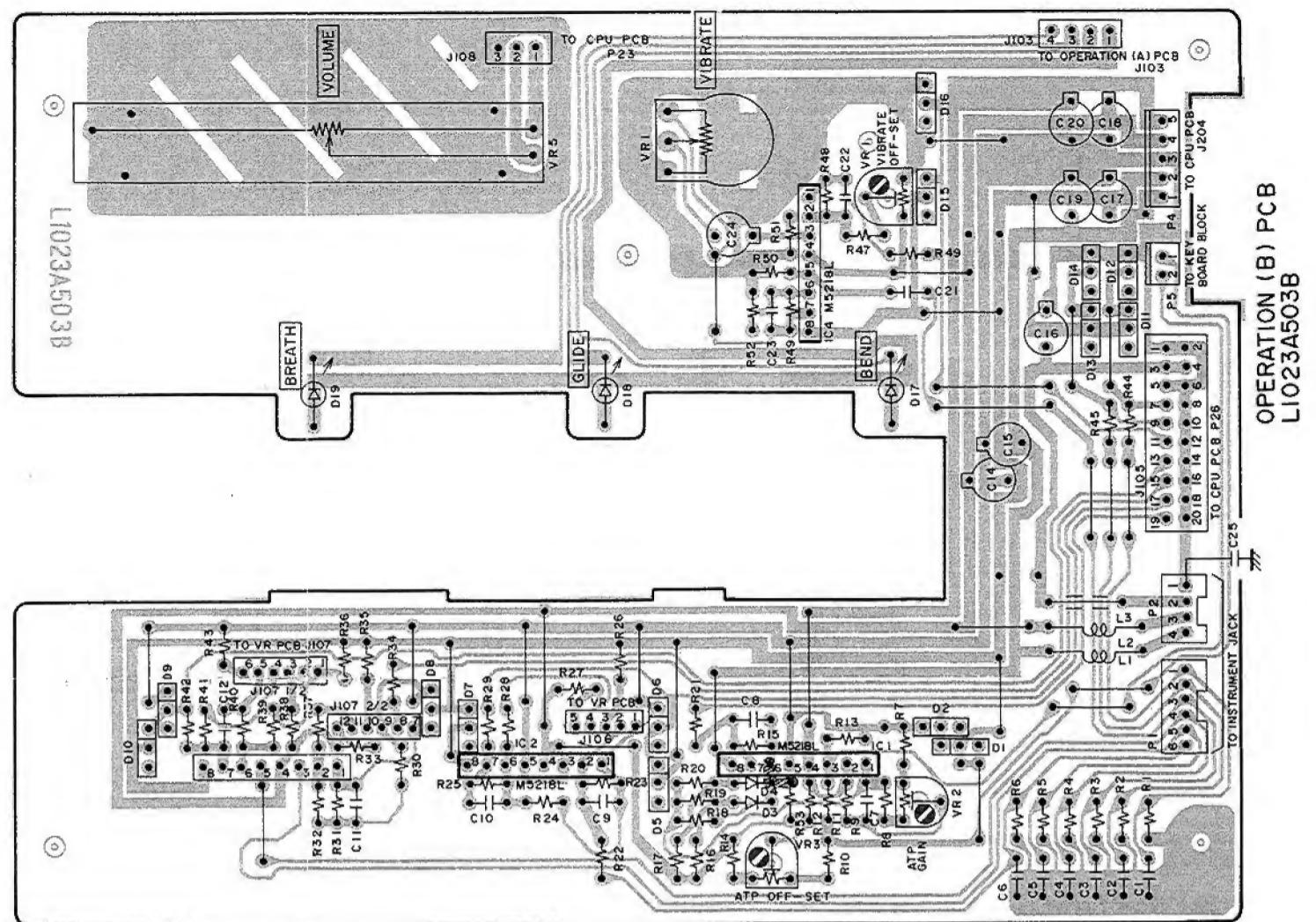


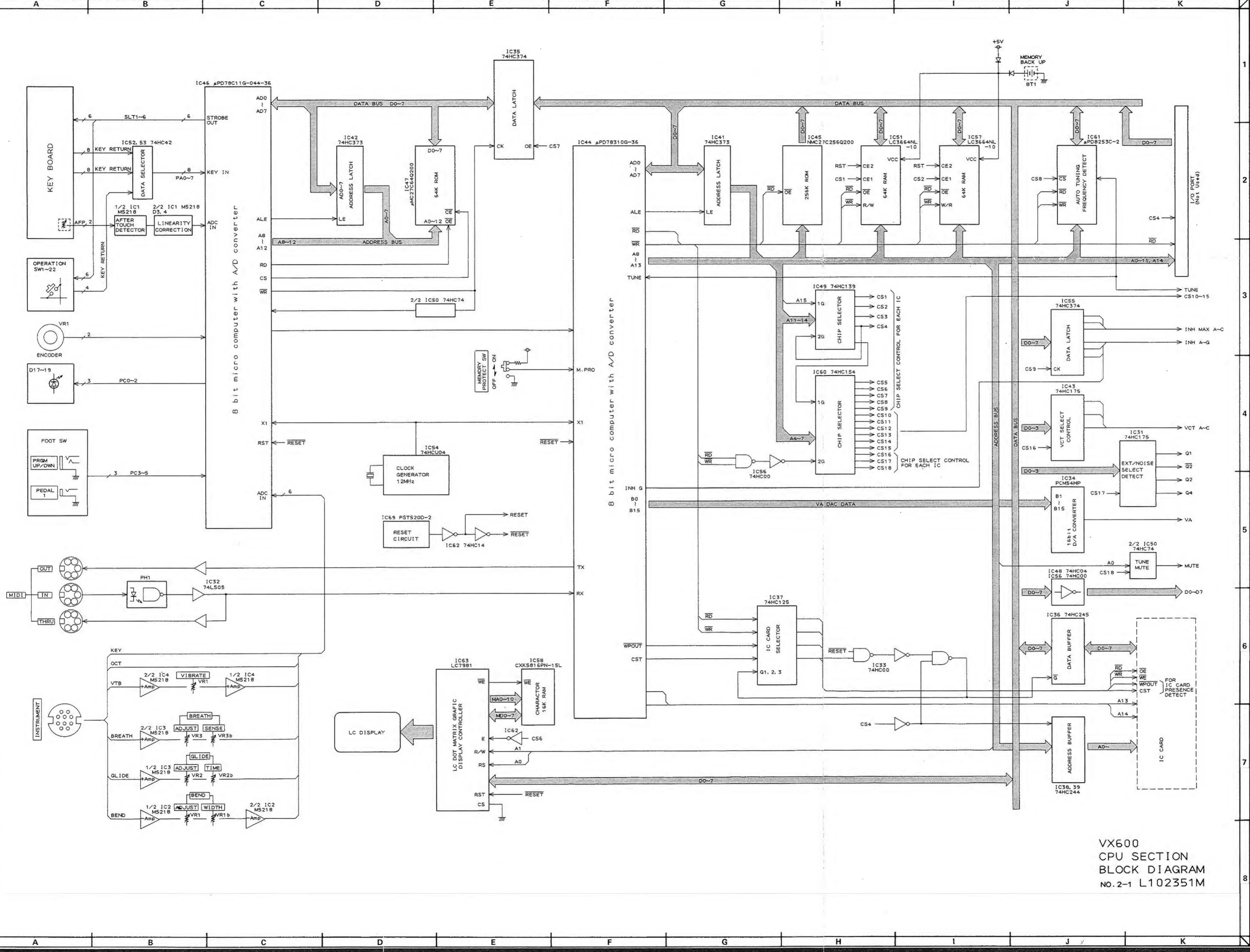
VOICE PCB L1023A5020

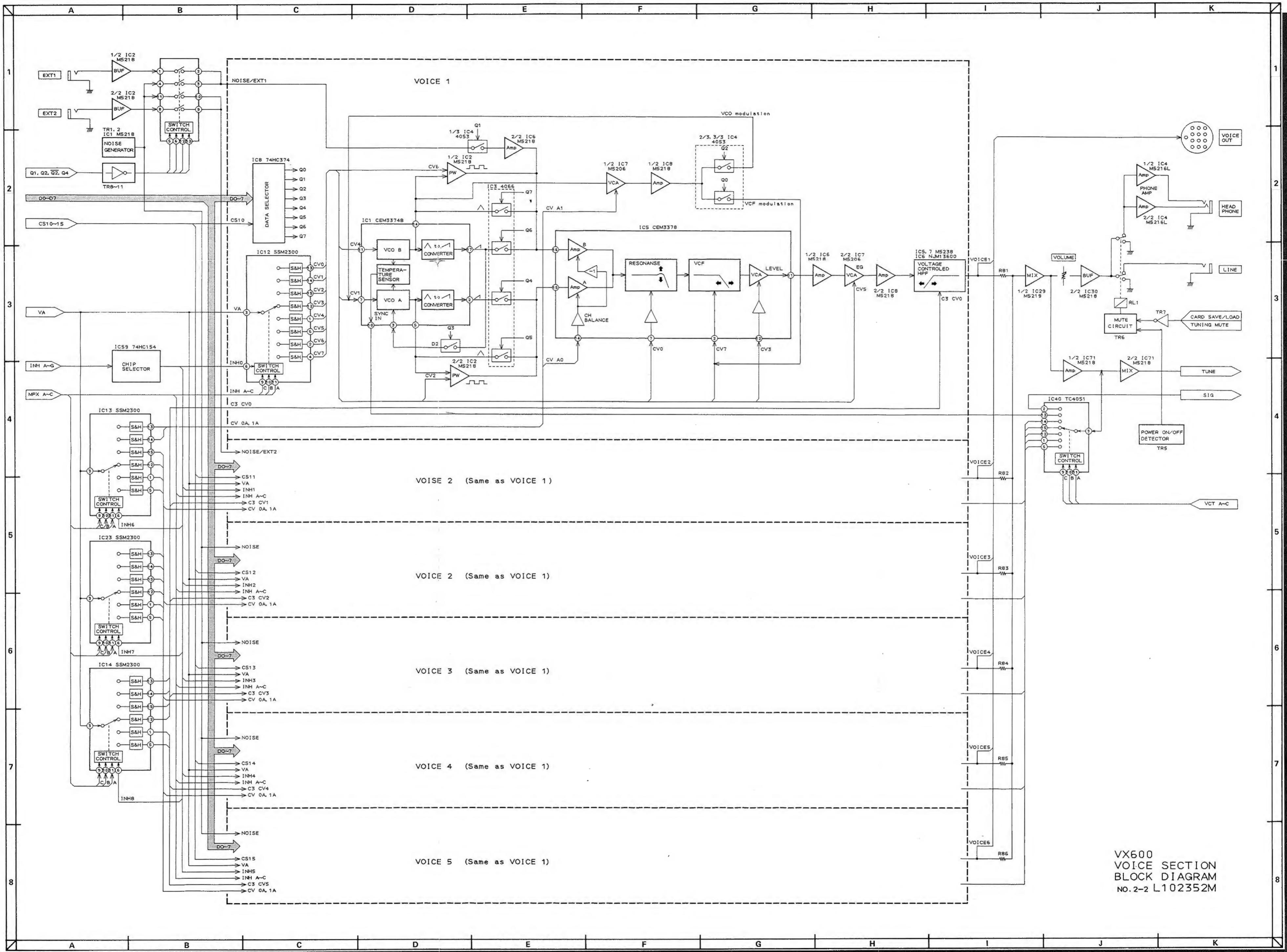


VX600
OPERATION PCB
SCHEMATIC DIAGRAM
NO. 5-5 L102304M

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/6W (J)
ALL CAPACITORS IN μ F 50 WV (Z)







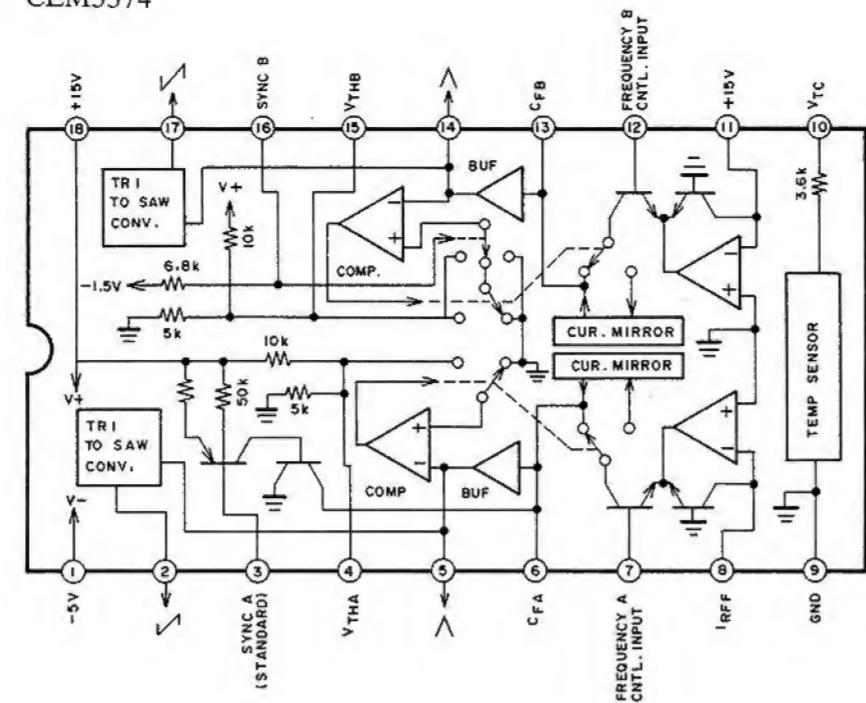
INFORMATION OF IC'S

74HC42

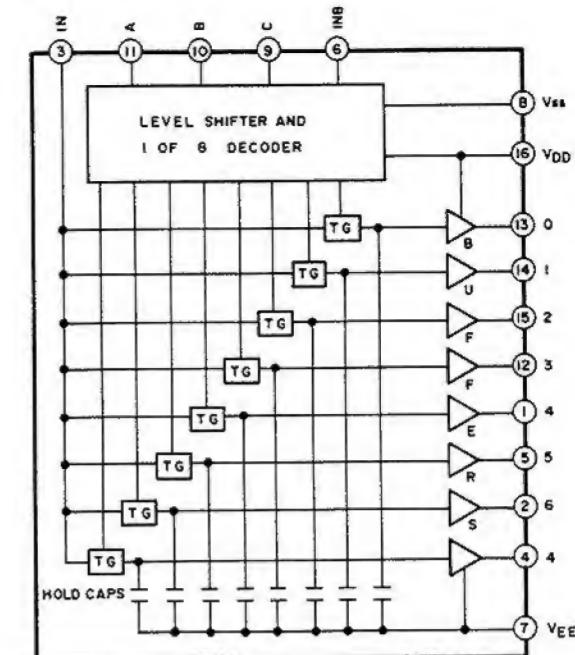
74HC139

INPUTS		OUTPUTS				
ENABLE G	SELECT B	A	Y0	Y1	Y2	Y3
H	X	X	H	H	H	H
L	L	L	L	H	H	H
L	L	H	H	L	H	H
L	H	L	H	H	L	H
L	H	H	H	H	H	L

CEM3374

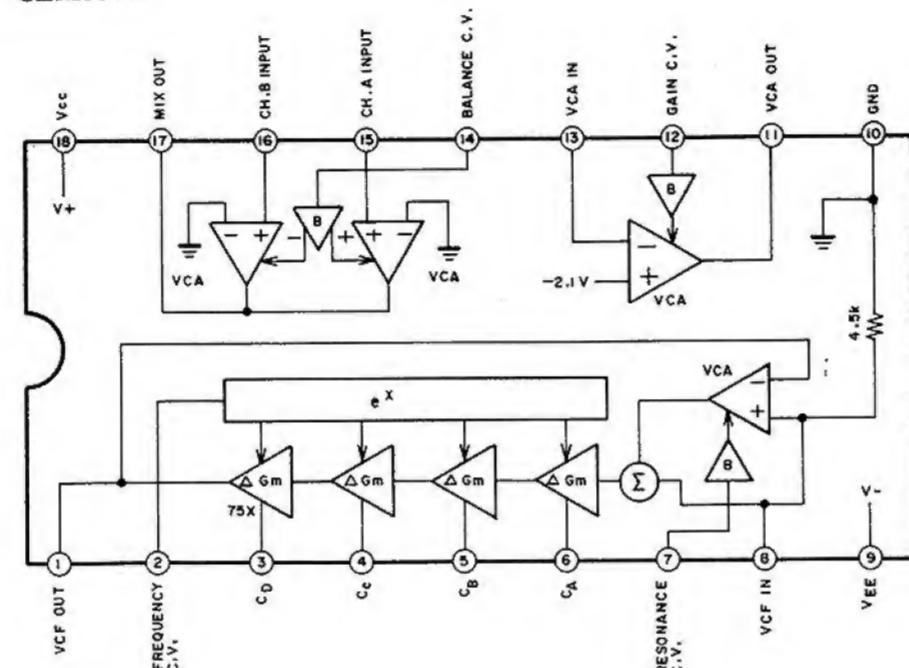


SSM2300

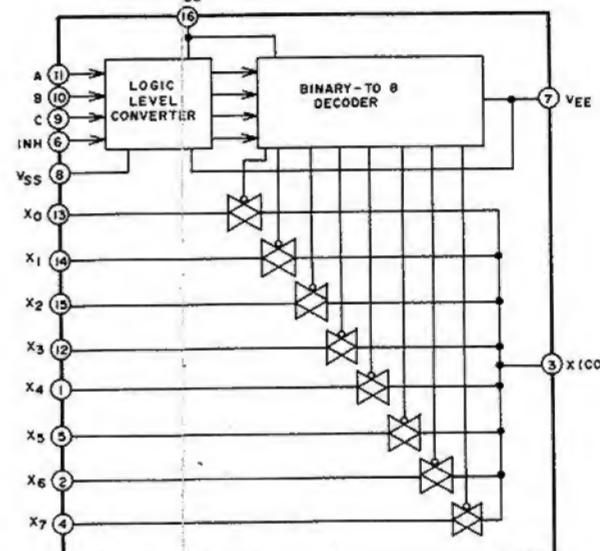


74HC154

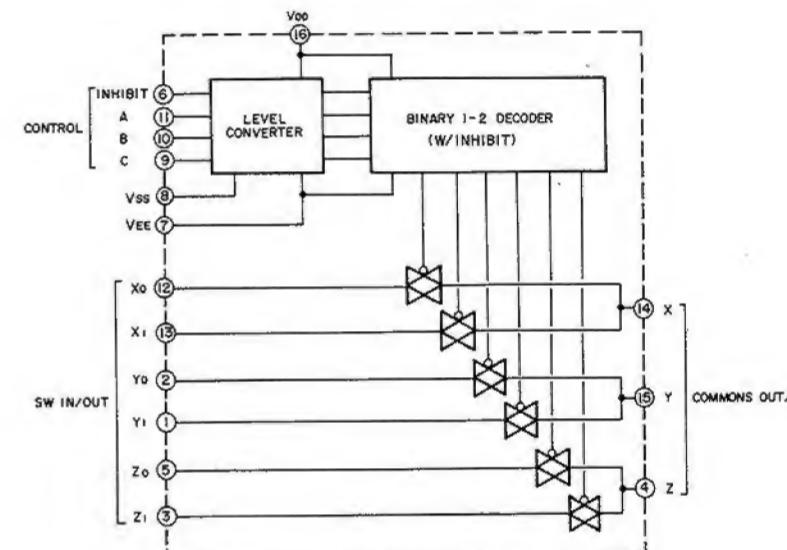
CEM3378



TC4051



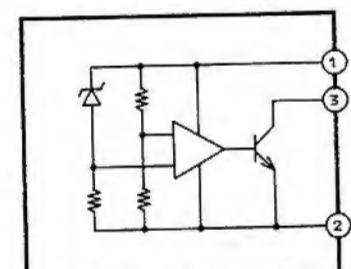
TC4053



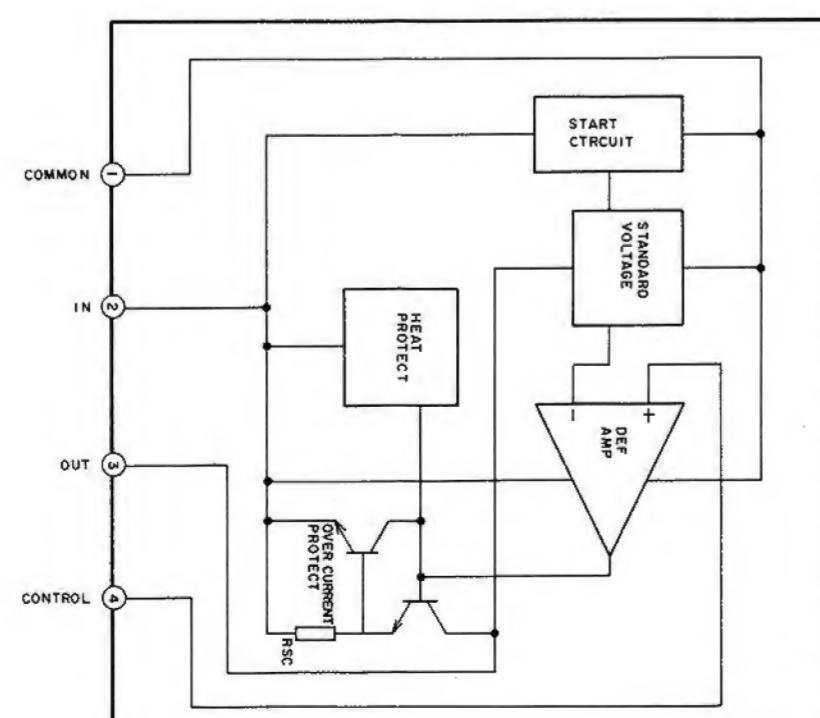
74HC374

INPUT		FUNCTION
Output control	C K	
X		Data . Set
H	X	Output Hi-impedance

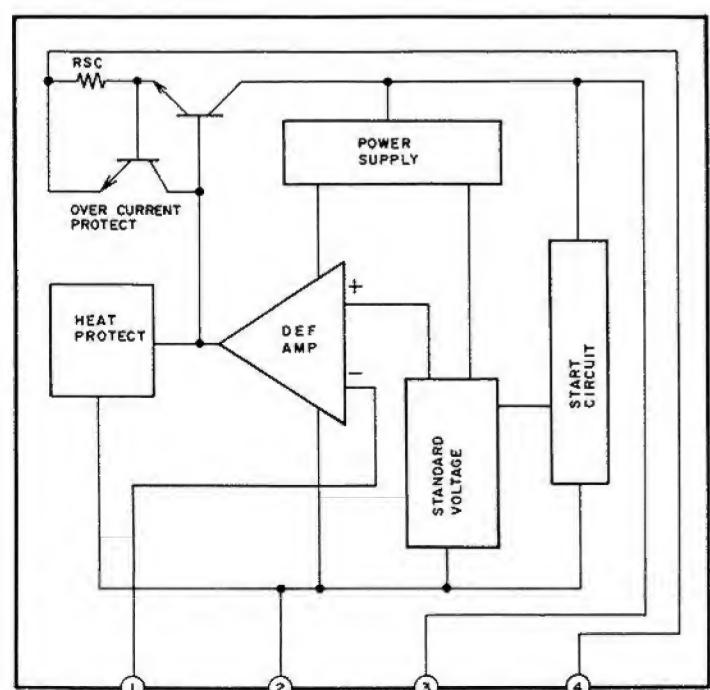
PST520D



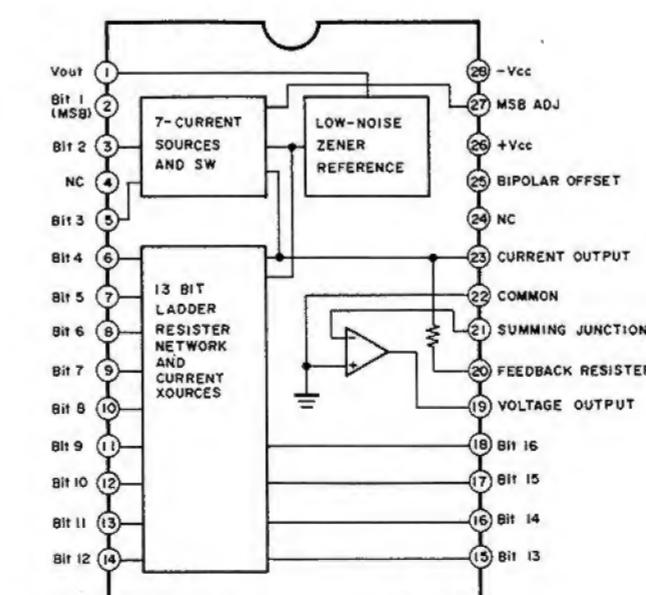
AN6535



AN6531



PCM54HP



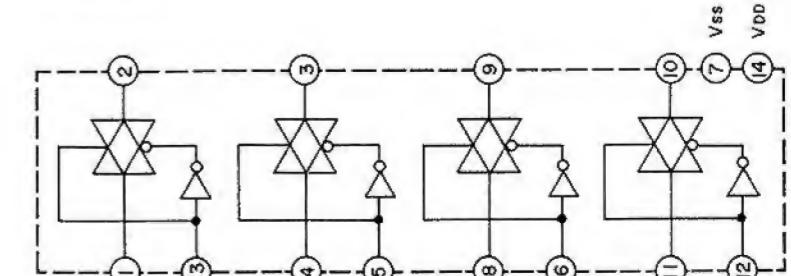
(MC14051BP, MC14053BP TRUTH TABLE)

TRUTH TABLE

CONTROL INPUT				"ON" CHANNEL	
INHIBIT	C	B	A	MC14051BP	MC14053BP
L	L	L	L	X0	Z0, Y0, X0
L	L	L	H	X1	Z0, Y0, X1
L	L	H	L	X2	Z0, Y1, X0
L	L	H	H	X3	Z0, Y1, X1
L	H	L	L	X4	Z1, Y0, X0
L	H	L	H	X5	Z1, Y0, X1
L	H	H	L	X6	Z1, Y1, X0
L	H	H	H	X7	Z1, Y1, X1
H	X	X	X	NONE	NONE

X : H OR

TC4066BP



FUNCTION OF IC's

NAME OF IC	FUNCTION
74HC00	Quad 2 input NAND
74HC04/HCU04	Hex inverters
74LS05	Hex inverter(open corrector type)
74HC14	Hex shmitt trigger inverter
74HC42	BCD to DECIMAL decoder
74HC74	Dual D-FFs with reset and clear
74HC125	Quad 3 state bus buffer
74HC139	Dual 2 to 4 demultiplexer
74HC154	4 to 16 demultiplexer
74HC175	Quad D-FFs
74HC244	Octal 3 state bus buffer
74HC245	Octal 3 state bus tranceiver
74HC373	Octal 3 state D-latches
74HC374	Octal 3 state D-FFs
AN79L12	-12V voltage regulator
AN6531	Variable output, + voltage regulator
AN6535	Variable output, - voltage regulator
CEM3374	Dual voltage controlled oscillator
CEM3378	Voltage controlled signal processor
CXK5816PN-15L	2kx8 bit SRAM
LC3664NL-10	8kx8 bit RAM
LC7981	LC dot matrix graphic display controller
M5206	Voltage controlled amplifier
M5216	Dual large current OP-Amp
M5218	Dual low noise OP-Amp
M5236	Variable output, voltage regulator
M5238	Dual low noise J-FET input OP-Amp
NMC27C64Q200	8kx8 bit EPROM
NMC27C256Q200	32kx8 bit EPROM
NJM13600	
PCM54HP	16 bit D/A convertor
PST520D-2	Reset circuit
SSM2300	8 channel multiplexed sample and hold
TC4051	Single 8 channel multiplexer/demultiplexer
TC4053	Triple 2 channel multiplexer/demultiplexer
TC4066	Quad bilateral switch
μPD78C11G-044-36	8 bit micro computer with A/D convertor
μPD8523C	
μPD78310G-36	